CURRICULUM VITAE

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OBJECTIVE

To learn newer techniques of different product through a process of experience and to handle challenging engineering projects that make me to learn more to sustain my career and also to contribute a significant growth of organization.

PROFESSIONAL SUMMARY

- 8.5 Years of experience in automotive and heavy engineering technical Publications.
- 2 years of experience in Wind industry as Material Specification Engineer.
- Experience in SGML/XML authoring using Arbotext editor.
- Good knowledge on Product Data Management (PDM) and Document Life Cycle process.
- Expertise in authoring Technical Manuals like OM, IPC, SM, CTM.
- Familiar with the Simplified Technical English writing style.
- Experience in creating PID's using SmartPlant.

WORK HISTORY

Organization :   **Siemens Gamesa Renewable Energy Engineering Centre**
Designation: **Associate Manager (Specification Engineer)**   **Duration: April 2022 to Till date**
Roles/Responsibilities:

Surface Treatment:

- Responsible for developing technical requirements/delivery conditions for applications of SGRE surface protective paint and coating systems.
- Responsible for developing technical requirements for HDG (Hot dip Galvanizing), Pre- coat, temporary rust protections.
- Responsible for developing technical requirements for various surface treatment procedures for Steel, Aluminum, and stainless steel i.e., passivation, chemical treatments, electro polishing, Anodizing, Electro plating, powder coat, thermal spray methods.
- Expertise in understanding various technical standards (ISO, ASTM) for developing technical delivery requirements of raw materials, as processed, as manufactured, and finished Components.

Structural Steel and Aluminium:

- Responsible for developing design guideline which helps to
  - Identify execution class based on fabrication procedures.
  - Identify preferred steel and aluminium structural products.
  - Identify required material grade, quality, size requirements for primary and secondary components.
  - Identify equivalent material for selected region of Component installation.

Specification Governance:

- Creating/Maintaining design specific documents required for design of next-generation wind turbines.
- Configuring ZPS/DG's in Teamcenter and integrating them ECM release process.
- Expertise in creating Engineering Change Request/Change/Order and releasing them for Approval process. (ECM/ECR/ECO)
- Configuring ZPS/DG's in TC and then releasing them to SAP S4HANA.
- Communicates latest specification updates across the teams
- Specification setup of Structural Steel and aluminium, Rubbers and Plastics, Hydraulics, Cooling System, Welding, Castings and Forgings for wind turbines.
- Creating generic specification documents and technical standards for wind turbine in TC/NX.
- Prepare technical standards for ZPS baselines and GAP.
- Managing NORIS database.

Bearing Design:

- Participating in new product development projects to design new bearings by supporting the design team.
- Ensure consistency and transfer knowledge/learnings between development projects from a design tool perspective.
- Support users with running design workflows, extracting necessary data and resolving issues.
- Usage of SIEMENS NX tool for designing and drafting.

Organization :   VOLVO India Pvt Ltd., Bengaluru.

Designation: Technical Information Engineer   **Duration: May 2018 to April 2022**

Roles/Responsibilities:

- To create and planning high quality parts information
- To focus on re-usage of information in order to get high efficiency in the process.
- To use tools like Virtual tools, PDM systems, Spare parts engineering system and parts information production system.
- To interact/work with work package supplier for delivery of spare parts information as per project time plan.
- Responsible to ensure quality of deliveries from the suppliers, within each work package.
- Created Macros to make repeated tasks without manual intervention using VBA Selenium, Python (Anaconda, Jupyter etc.)
- Created end to end delivery process for supplier which ensures quality, pro-active quality and reactive quality.
- Created poke-yoke to eliminate quality issues.
- Worked on Start Cost Project, Design Change Number Maintenance, Customer Adaptations, Argus cases.
- Achieved Best Performer for Q1,2019 all over AMT, GTT.

Organization :   Cyient Limited, Hyderabad.   **Client: John Deere (Deere & Company)**

Designation: Senior Design Engineer   **Duration: October 2013 to May 2018**

Roles/Responsibilities:

- To create and revise the Illustrated Parts Catalogue (IPC).
- Have good knowledge on the creation and revision of Operation Manuals, Service Manuals and Component Technical Manual (CTM).
- To interact with Subject Matter Expert (SME) and engineering team to create the outline structure of the product for technical manuals.
- To analyze the Engineering Change Management (ECM) and update the changes in the applicable manual, for schedule wise publication.
- Working on the Construction and Forestry equipment like Forwarders, Harvesters, Excavators, Engines and Cranes.
- To resolve field queries raised by globally located dealers through Parts Catalog Report Card (PCRC).
- Maintain the status spreadsheet and apprise the management about the team's workload.
- Responsible to perform Reason Code Analysis (RCA) for the internal and external rejections and to take correction, preventive and corrective actions.

Organization :   Cyient Limited, Hyderabad.   **Client: RAS GAS**

Designation: Design Engineer   **Duration: October 2013 – November 2013**

- Responsible for the creation and revision of SPPID's (SmartPlant Piping and Instrumentation Diagrams)
- Responsible for the constraining properties of pipelines.
- Responsible for the creation and revision of PID's using SmartPlant software made by INTERGRAPH.
- Coordinate with the Subject Matter expert (SME) to resolve issues, develop templates and identify new work around methodology.
- Analyzing the modsum (Modification Summary) and updating the changes in respective PID's.

COMPUTER SKILLS

- Auto Cad, SmartPlant, Creo Parametric, SIEMENS NX, Pro-e, 3D via.
- Arbotext Editor, ISO Draw (Basic), CorelDraw.
- VBA Selenium, Python, Jupyter.
- GCAWW, CCOMP and FTPS.
- SAP (Material Management), Team center and PDM Wind chill
- Adobe Professional, Microsoft Office Tools.

EDUCATIONAL QUALIFICATION

Course/ Year of Completion	Institution	Board/University	Percentage
B.Tech., (Mechanical Engg)/ 2012	JNTU College of Engineering, Vizianagaram	JNTU, Kakinada	75.96 %
Higher secondary Course/ 2008	Narayana Junior College, Vizianagaram	State Board, Andhra Pradesh	91.7 %
Matriculation Examination/ 2006	St.Joseph's English Medium High School, Vizianagaram	Matriculation Board, Andhra Pradesh.	75.14 %

ACHIEVEMENTS

- Achieved "Associate of the Month" for Quick learner, Quality, Standard Documentation and Team Motivation.
- Achieved "Client Champion, Innovation and Dhronacharya Awards" for High Quality delivered, Value Additions to process and conducting training classes.

INTER-PERSONAL SKILLS

- Self-Starter with motivation to learn more.
- Willing to take initiatives and work independently or as a part of team.
- Strongly committed to assigned task.

EXTRA CURRICULAR ACTIVITIES

- Certified with NCC "B" as Cadet.
- Second Place in Intra Throw Ball tournament.
- Reading books and listening to music

PERSONAL INFORMATION

Name   :   Sowmya Mahanthi
Father's Name   :   Prakash Rao Mahanthi
Date of Birth   :   25.04.1991
Gender   :   Female
Nationality   :   Indian
Marital Status   :   Married
Languages Known   :   English, Hindi and Telugu.

Yours Faithfully,
Sowmya Mahanthi